

-PRIOR ART-

FIG.1

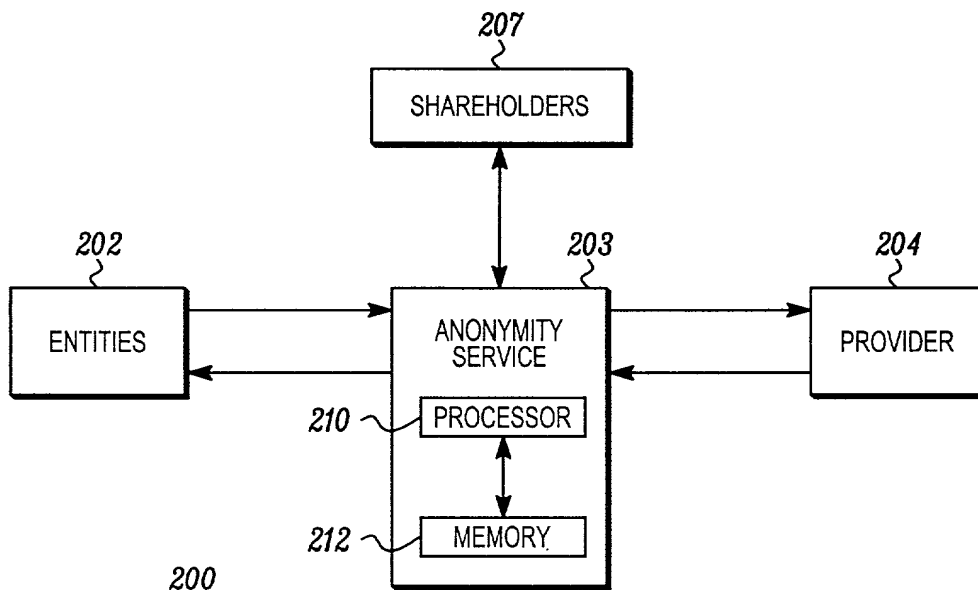


FIG.2

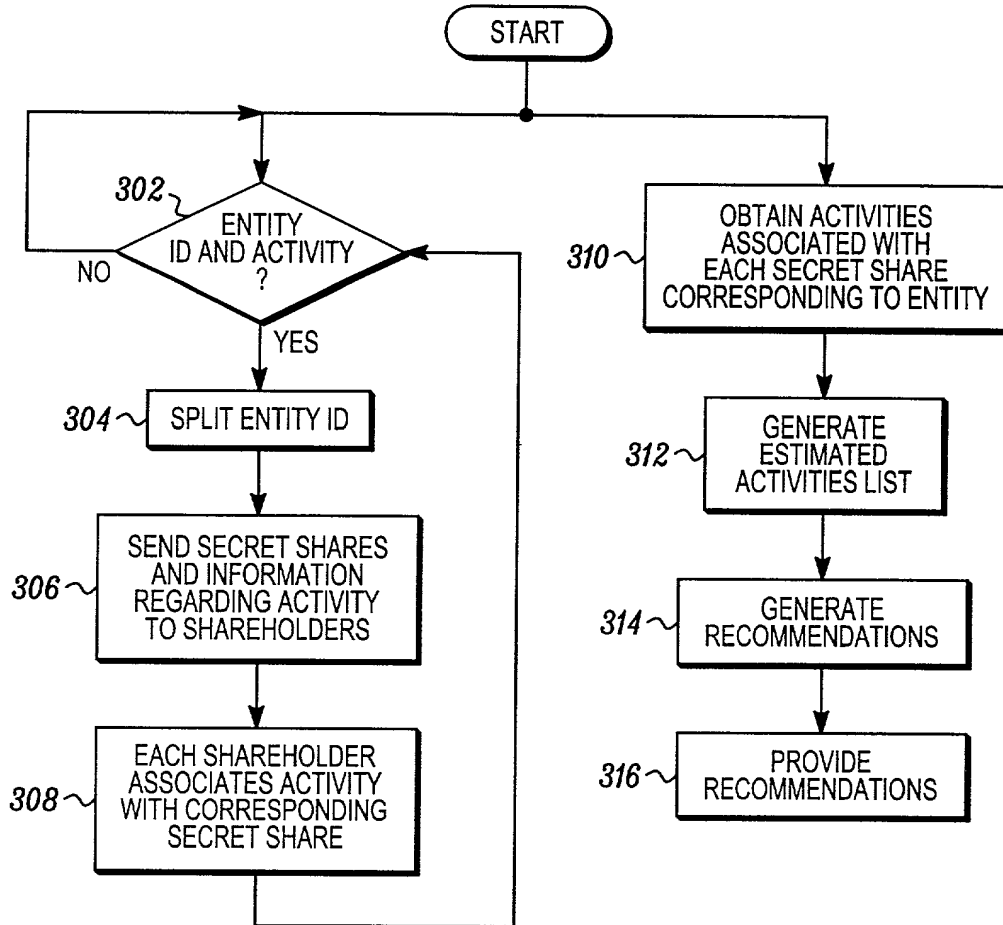


FIG.3

FIG. 3

	1	2	3	4	5			
USER	SECRET SHARES VALUES					EVENTS		
1	S <sub>3</sub>	S <sub>5</sub>	S <sub>7</sub>	S <sub>5</sub>	S <sub>10</sub>	D	J	L
2	S <sub>1</sub>	S <sub>2</sub>	S <sub>4</sub>	S <sub>6</sub>	S <sub>9</sub>	E	J	T
3	S <sub>2</sub>	S <sub>2</sub>	S <sub>6</sub>	S <sub>8</sub>	S <sub>10</sub>	J	L	P
4	S <sub>1</sub>	S <sub>3</sub>	S <sub>5</sub>	S <sub>7</sub>	S <sub>10</sub>	J	O	P
5	S <sub>3</sub>	S <sub>5</sub>	S <sub>7</sub>	S <sub>5</sub>	S <sub>10</sub>	F	G	M
6	S <sub>2</sub>	S <sub>2</sub>	S <sub>5</sub>	S <sub>8</sub>	S <sub>9</sub>	C	D	N
7	S <sub>1</sub>	S <sub>3</sub>	S <sub>4</sub>	S <sub>6</sub>	S <sub>7</sub>	A	R	S
8	S <sub>2</sub>	S <sub>3</sub>	S <sub>7</sub>	S <sub>8</sub>	S <sub>9</sub>	J	K	L

FIG.4

SHARE VALUE	SHAREHOLDER 1 PROFILES																	
S <sub>1</sub>	A			E				J				O	P		R	S	T	
S <sub>2</sub>			C	D				J	K	L		N		P				
S <sub>3</sub>				D		F	G		J		L	M						

FIG.5

SHARE VALUE	SHAREHOLDER 2 PROFILES																	
S <sub>2</sub>			C	D	E				J		L		N		P			T
S <sub>3</sub>	A								J	K	L			O	P		R	S
S <sub>5</sub>				D		F	G		J		L	M						

FIG.6

FIG. 4

SHARE VALUE	SHAREHOLDER 3 PROFILES																			
S <sub>4</sub>	A				E					J								R	S	T
S <sub>5</sub>			C	D						J				N	O	P				
S <sub>6</sub>										J		L				P				
S <sub>7</sub>				D		F	G			J	K	L	M							

**FIG.7**

SHARE VALUE	SHAREHOLDER 4 PROFILES																		
S <sub>5</sub>				D		F	G			J		L	M						
S <sub>6</sub>	A				E					J							R	S	T
S <sub>7</sub>										J					O	P			
S <sub>8</sub>			C	D						J	K	L		N		P			

**FIG.8**

SHARE VALUE	SHAREHOLDER 5 PROFILES																		
S <sub>7</sub>	A																R	S	
S <sub>8</sub>																			
S <sub>9</sub>			C	D	E					J	K	L		N					T
S <sub>10</sub>				D		F	G			J		L	M		O	P			

**FIG.9**

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USER	ESTIMATED ACTIVITIES					
1	E	<i>F</i>	<i>G</i>	J	L	<i>M</i>
2	E	J	T			
3	J	L	P			
4	J	O	P			
5	<i>D</i>	F	G	<i>J</i>	<i>L</i>	M
6	C	D	<i>J</i>	N		
7	A	R	S			
8	J	K	L			

**FIG.18**

	1	2	3	4	5			
USER	SECRET SHARES VALUES					EVENTS		
1	S <sub>3</sub>	S <sub>5</sub>	S <sub>7</sub>	S <sub>5</sub>	S <sub>10</sub>	D	K	L
2	S <sub>1</sub>	S <sub>2</sub>	S <sub>4</sub>	S <sub>6</sub>	S <sub>9</sub>	E	J	T
3	S <sub>2</sub>	S <sub>2</sub>	S <sub>6</sub>	S <sub>8</sub>	S <sub>10</sub>	J	L	P
4	S <sub>1</sub>	S <sub>3</sub>	S <sub>5</sub>	S <sub>7</sub>	S <sub>10</sub>	F	O	P
5	S <sub>3</sub>	S <sub>5</sub>	S <sub>7</sub>	S <sub>5</sub>	S <sub>10</sub>	F	G	M
6	S <sub>2</sub>	S <sub>2</sub>	S <sub>5</sub>	S <sub>8</sub>	S <sub>9</sub>	C	D	N
7	S <sub>1</sub>	S <sub>3</sub>	S <sub>4</sub>	S <sub>6</sub>	S <sub>7</sub>	A	R	S
8	S <sub>2</sub>	S <sub>3</sub>	S <sub>7</sub>	S <sub>8</sub>	S <sub>9</sub>	J	K	L

**FIG.19**

FIG. 18

SHARE VALUE	SHAREHOLDER 1 PROFILES															
S <sub>1</sub>	A				E	F				J				O	P	R S T
S <sub>2</sub>			C	D						J	K	L		N	P	
S <sub>3</sub>				D		F	G				K	L	M			

**FIG.20**

SHARE VALUE	SHAREHOLDER 2 PROFILES															
S <sub>2</sub>			C	D	E					J		L		N	P	T
S <sub>3</sub>	A					F				J	K	L		O	P	R S
S <sub>5</sub>				D		F	G				K	L	M			

**FIG.21**

SHARE VALUE	SHAREHOLDER 3 PROFILES															
S <sub>4</sub>	A				E					J						R S T
S <sub>5</sub>			C	D		F							N	O	P	
S <sub>6</sub>										J		L			P	
S <sub>7</sub>				D		F	G			J	K	L	M			

**FIG.22**

SHARE VALUE	SHAREHOLDER 4 PROFILES																			
S <sub>5</sub>				D		F	G				K	L	M							
S <sub>6</sub>	A				E					J								R	S	T
S <sub>7</sub>						F									O	P				
S <sub>8</sub>			C	D						J	K	L		N		P				

**FIG.23**

SHARE VALUE	SHAREHOLDER 5 PROFILES																		
S <sub>7</sub>	A											L					R	S	
S <sub>8</sub>																			
S <sub>9</sub>			C	D	E					J	K	L		N					T
S <sub>10</sub>				D		F	G			J	K	L	M		O	P			

**FIG.24**

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FIG. 25

USER 1:

SHAREHOLDER <sub>1</sub>	S <sub>3</sub>																			
SHAREHOLDER <sub>2</sub>	S <sub>5</sub>																			
SHAREHOLDER <sub>3</sub>	S <sub>7</sub>																			
SHAREHOLDER <sub>4</sub>	S <sub>5</sub>																			
SHAREHOLDER <sub>5</sub>	S <sub>10</sub>																			

FIG.25

USER 2:

SHAREHOLDER <sub>1</sub>	S <sub>1</sub>	A																		
SHAREHOLDER <sub>2</sub>	S <sub>2</sub>			C	D	E														
SHAREHOLDER <sub>3</sub>	S <sub>4</sub>	A				E														
SHAREHOLDER <sub>4</sub>	S <sub>6</sub>	A				E														
SHAREHOLDER <sub>5</sub>	S <sub>9</sub>			C	D	E														

FIG.26





FIG. 31

USER 7:

SHAREHOLDER <sub>1</sub>	S <sub>1</sub>	A				E	F			J				O	P		R	S	T
SHAREHOLDER <sub>2</sub>	S <sub>3</sub>	A					F			J	K	L		O	P		R	S	
SHAREHOLDER <sub>3</sub>	S <sub>4</sub>	A				E				J							R	S	T
SHAREHOLDER <sub>4</sub>	S <sub>6</sub>	A				E				J							R	S	T
SHAREHOLDER <sub>5</sub>	S <sub>7</sub>	A															R	S	

FIG.31

USER 8:

SHAREHOLDER <sub>1</sub>	S <sub>2</sub>				C	D					J	K	L		N		P		
SHAREHOLDER <sub>2</sub>	S <sub>3</sub>	A					F				J	K	L			O	P		R
SHAREHOLDER <sub>3</sub>	S <sub>7</sub>					D	F	G			J	K	L	M					
SHAREHOLDER <sub>4</sub>	S <sub>8</sub>				C	D					J	K	L		N		P		
SHAREHOLDER <sub>5</sub>	S <sub>9</sub>				C	D	E				J	K	L		N				T

FIG.32

USER	ESTIMATED ACTIVITIES					
1	D	<i>F</i>	<i>G</i>	K	L	<i>M</i>
2	E	J	T			
3	J	L	P			
4	F	O	P			
5	<i>D</i>	<i>F</i>	<i>G</i>	<i>K</i>	<i>L</i>	<i>M</i>
6	C	D	N			
7	A	R	S			
8	J	K	L			

FIG.33

FIG. 33